BRUHAT BANGALORE MAHANAGARA PALIKE

Detailed Estimate for :-construction of open gym at attur lake ward no.03

Estimated cost Rs.25.00 Lakhs

Sl. No	Description of work	No	Dimensions L	B	D	qty	Rate	Unit	Amount
1	Earth work in surface excavation in hard soil for levelling and lowering the ground manually (other than foundation of buildings, culverts, road drains and trenches of pipe lines and cables) and removing the excavated stuff to a distance not exceeding 50m and lift upto 1.50m. excavated surface levelled and neatly dressed , disposed earth to be levelled after breaking of clods and neatly dressed as per specifications.(S.R.of PWD 2016-17, P.No.5, I.No.2.2)								
	open gym platform	1	9.50	12.00	0.15	17.10			
	Approach	1	2.00	1.00	0.15	0.30			
					Total	**17.40**	233.20	Cum	4057.68
	Basic Rate	220.00							
	Area Weightage @ 6%	13.20							
	Total	233.20							
2	Earth work excavation for foundation of building, water supply, sanitary lines and electrical conduits either in pits or in trenches 1.5m and above in ordinary soil not exceeding 1.5m in depth including dressing the bottom and sides of pits and trenches, stacking the excavated soil clear from edges of excavation with lead upto 50m after breaking of clods complete as per specifications (KSB 2.1) (b) 2.3.5, P-5, 1-2.4)								
	Solid Blocks for platfrom	2	9.50	0.15	0.35	1.00			
		2	12.00	0.15	0.35	1.26			
	Approach	2	1.00	0.15	0.35	0.11			
	seated chest press	1	0.60	0.60	0.60	0.22			
	Situp board	1	0.60	0.60	0.60	0.22			
	Rider	1	0.60	0.60	0.60	0.22			
	Self weighted rower	1	0.60	0.60	0.60	0.22			
	HD mini Ski	1	0.60	0.60	0.60	0.22			
	Elliptical Corss trainer	1	0.60	0.60	0.60	0.22			
	Tai Chi Spinner	1	0.60	0.60	0.60	0.22			
	Bicycle	1	0.60	0.60	0.60	0.22			
	HD Health Walker	1	0.60	0.60	0.60	0.22			
	HD Waist Twister	4	0.60	0.60	0.60	0.86			
	Squat Pushing	1	0.60	0.60	0.60	0.22			
	Swing	2	1.00	1.00	0.60	1.20			
	Seesaw	1	1.00	1.00	0.60	0.60			
						7.19	200.34	Cum	1,440.00
	Basic rate	189.00							
	Area Weightage @ 6%	11.34							
	Total	200.34							
3	Refilling available earth around pipe lines, cables in layers not exceeding 20cms in depth, compacting each deposited layer by ramming after watering with lead upto 50m. and lift upto 1.5 m. including cost of all labour complete as per specifications.								
	open gym platform	1	9.50	12.00	0.10	11.40			
	Approach	1	2.00	1.00	0.10	0.20			
					Total	**11.60**	80.56	Cum	934.00
	Basic Rate	76.00							
	Area weightage @ 6%	4.56							
	Total	80.56							
4	Construction of Embankment with Material Gravel/ Murrum. KSRRB M300-53. Construction of embankment with approved material Gravel/Murrum with all lifts and leads, transporting to site, spreading, grading to required slope and compacting to meet requirement Table 300- 2 complete as per specifications.(Including cost of gravel / murrum, watering charges & compaction by vibratory roller to 95% of proctors density) MORTH Specification No. 305								
	Platfrom	1	9.50	12.00	0.45	51.30			

No	Description of work	No	Dimensions			qty	Rate	Unit	Amount
			L	B	D				
	Approach	1	2.00	1.00	0.45	0.90			
					Total	**52.20**	320.12	Cum	16,710.00
	Basic Rate	302.00							
	Area weightage @ 6%	18.12							
	Total	320.12							
5	Providing and laying in position plain cement concrete of Mix CC 1:4:8 with OPC cement @ 180 kgs, with 40mm and down size graded granite metal coarse aggregates @ 0.85 cum and fine aggregates @ 0.57 cum machine mixed, concrete laid in layers not exceeding 15cms, thick, well compacted, in foundation including cost of all materials, labour HOM of machinery curing complete as per specification, specification No. KBS 4, 1, 4.2 (PageNo.12, Item No.4.3)								
	open gym platform	1	9.50	12.00	0.15	17.10			
	Approach	1	1.00	2.00	0.15	0.30			
	Below Solid block	2	9.50	0.20	0.15	0.57			
		2	12.00	0.20	0.15	0.72			
		2	1.00	0.20	0.15	0.06			
	seated chest press	1	0.60	0.60	0.15	0.05			
	Situp board	1	0.60	0.60	0.15	0.05			
	Rider	1	0.60	0.60	0.15	0.05			
	Self weighted rower	1	0.60	0.60	0.15	0.05			
	HD mini Ski	1	0.60	0.60	0.15	0.05			
	Elliptical Corss trainer	1	0.60	0.60	0.15	0.05			
	Tai Chi Spinner	1	0.60	0.60	0.15	0.05			
	Bicycle	1	0.60	0.60	0.15	0.05			
	HD Health Walker	1	0.60	0.60	0.15	0.05			
	HD Waist Twister	4	0.6	0.6	0.15	0.22			
	Squat Pushing	1	0.6	0.6	0.15	0.05			
	Swing	2	1.00	1.00	0.15	0.30			
	Seesaw	1	1.00	1.00	0.15	0.15			
						17.81			
	Deduct for Equipment	1	14.00	0.60	0.15	1.26			
					Total	**16.55**	5159.02	Cum	85402.42
	Basic Rate	4867.00							
	Area Weightage @ 6%	292.02							
	Total	5159.02							
6	Providing and constructing load bearing wall with cement concrete cavities blocks (hollow blocks) of size 400x150x200 mm Grade B having a minimum face shell thickness of 30mm and web thickness of 25mm with block density between 1100 kg/m3 and 1500 kg/m3 having a minimum average compressive strength of 5.00 N/mm2 confirming to IS 2185 (Part) : 2005 and constructed with CM 1:4 , as per IS 2572:2005 including cost of all materials, labour charegs, scaffolding, curing complete as per specifications								
	Solid Block	2	9.50		0.60	11.40			
		2	12.00		0.60	14.40			
	Aproach	2	1.00		0.60	1.20			
						27.00	880.86	Sqm	23783.22
	Basic Rate	831.00							
	Area weightage @ 6%	49.86							
	Total	880.86							
7	Providing and laying in position plain cement concrete of mix 1:2:4 with OPC cement @ 240kgs, with 40mm and down size graded granite metal coarse aggregates @0.878cum and fine aggregates @ 0.459cum machine mixed, concrete laid in layers not exceeding 15 cms. thick, well compacted, in foundation, including cost of all materials, labour, HOM of machinery, curing complete as per specifications.								
	Coping concrete	2	9.50	0.20	0.05	0.19			
		2	12.00	0.20	0.05	0.24			
	Approach	2	1.00	0.20	0.05	0.02			
						0.45	5525.78	Sqm	2486.60

Sl No	Description of work	No	Dimensions			qty	Rate	Unit	Amount
			L	B	D				
	Basic Rate	5213.00							
	Area weightage @ 6%	312.78							
	Total	5525.78							
8	Providing and laying in position plain cement concrete of mix M20 with OPC cement @ 300kgs, with 20mm and down size graded granite metal coarse aggregates @0.69cum and fine aggregtes @ 0.43cum, with superplastisiser @3lts confirming to IS9103-1999 Reaffirmed-2008, machine mixed, concrete laid in layers not exceeding 15 cms. thick, well compacted, in foundation, plinth and cills, including cost of all materials, labour, HOM of machinery, curing complete as per specifications. Specification No. KBS 4.1, 4.2. (P.No.12, I.No. 4.5 of PWD SR 2015-16)								
	open gym platform	1	9.5	12	0.1	11.40			
	Approach	1	1	2	0.1	0.20			
	seated chest press	1	0.60	0.60	0.45	0.16			
	Situp board	1	0.60	0.60	0.45	0.16			
	Rider	1	0.60	0.60	0.45	0.16			
	Self weighted rower	1	0.60	0.60	0.45	0.16			
	HD mini Ski	1	0.60	0.60	0.45	0.16			
	Elliptical Corss trainer	1	0.60	0.60	0.45	0.16			
	Tai Chi Spinner	1	0.60	0.60	0.45	0.16			
	Bicycle	1	0.60	0.60	0.45	0.16			
	HD Health Walker	1	0.60	0.60	0.45	0.16			
	HD Waist Twister	4	0.60	0.60	0.45	0.65			
	Squat Pushing	1	0.60	0.60	0.45	0.16			
	Swing	2	1.00	1.00	0.50	1.00			
	Seesaw	1	1.00	1.00	0.50	0.50			
						15.37			
	Deduction for Equipment	14	0.60	0.60	0.45	2.27			
					Total	**13.10**	5874.52	Cum	76956.21
	Basic Rate	5542.00							
	Area Weightage @ 6%	332.52							
	Total	5874.52							
9	Providing and fixing cement base precast, pre-polished cement concrete designer tiles 25mm thick conforming to IS 1237 heavy duty tiles for flooring, treads of steps and landing, laid on a bed of 12mm thick cement mortar 1:3 mix finished with flush pointing using white cement, including cost of materials, including cutting, gridding the edge to half/full round wherever required, labour curing complete as per specification. P.109, I. No.14.62								
		1	9.50	12.00		114.00			
		1	2.00	1.00		2.00			
					Total	**116.00**	1116.18	sqmt	129,477.00
	Basic Rate	1053.00							
	Area weightage @ 6%	63.18							
	Total	1116.18							
10	Providing 18mm thick cement plaster in single coat with cement mortar 1:6, to brick masonry including rounding off corners wherever required smooth rendering, : Providing and removing scaffolding, including cost of materials, labour, curing complete as per specifications.								
		2	9.50		0.75	14.25			
		2	12.00		0.75	18.00			
					Total	**32.25**	209.88	sqmt	6,769.00
	Basic Rate	198.00							
	Area weightage @ 6%	11.88							
	Total	209.88							
11	Providing and applying ready mix priming coat over concrete / masonry / asbestos cement sheet / plastered surfaces including preparing the surface after thoroughly cleaning of oil, grease, dirt and other foreign matter, and sand papering including cost of materials, labour, complete as per specifications.								
		2	9.5		0.75	14.25			
		2	12		0.75	18.00			

Sl. No	Description of work	No	Dimensions			qty	Rate	Unit	Amount
			L	B	D				
					Total	**32.25**	27.56	sqmt	889.00
	Basic Rate	26.00							
	Area weightage @ 6%	1.56							
	Total	27.56							
12	Painting on Concrete Surface KSRRB M2700-12. Providing and applying 2 coats of water based cement paint to unplastered concrete surface after cleaning the surface of dirt, dust, oil, grease, efflorescence and applying paint at of 1 litre for 2 sqm complete as per specifications MORTH Specification No. 800								
		2	9.50		0.75	14.25			
		2	12.00		0.75	18.00			
					Total	**32.25**	66.78	sqmt	2,154.00
	Basic Rate	63.00							
	Area weightage @ 6%	3.78							
	Total	66.78							
13	Supply and fixing of Seated Chest Press. Metal: All tubular steel of 2.5mm thickness are galvanized and zinc dipped. Joints are Robotic welded. All welded joints are scalloped as necessary and welded to an approved MIG process. All welds are dressed off removing all sharp edges and burrs. Zinc Primer Paint is applied at all the welding points prior to finishing. All metal parts are powder coated using AKZO Nobel-Great Wall powder to the thickness of 80-120 microns. All metal parts are tested in our salt spray machine that uses a 5% NaCl solution in accordance to ISO7227 to speed up corrosion for 3000 hrs. Rubber: High quality grip rubber is used for the handles. Bearings: Maintenance-free ball bearings. Scope of delivery: 1 completely pre-assembled equipment modules. Maintenance: Maintain according to EN 16630 and the maintenance guide. Safety: All products must be tested and certified to meet EN16630 safety standards with GS test mark. The EN 16630 certificates must be issued by a reputed notified international certifying agency such as IPEMA, TUV, CPSC, or SGS only. The GS Mark- EN16630 Certificates must be in the name of tendering party and not any 3rd party. All products must clearly display the GS mark as has been issued in the EN16630 safety certificates. All products must carry a GS mark on it.. Size_L x W x H): 1955 x 733 x 2058 mm. Weight: 86.6 Kg Safety Area: 5545 x 4470 mm Capacity_2 Persons.								
						1.00	230000	each	230,000.00
14	Supply and fixing of Elliptical Cross Trainer. Metal: All tubular steel of 2.5mm thickness are galvanized and zinc dipped. Joints are Robotic welded. All welded joints are scalloped as necessary and welded to an approved MIG process. All welds are dressed off removing all sharp edges and burrs. Zinc Primer Paint is applied at all the welding points prior to finishing. All metal parts are powder coated using AKZO Nobel-Great Wall powder to the thickness of 80-120 microns. All metal parts are tested in our salt spray machine that uses a 5% NaCl solution in accordance to ISO7227 to speed up corrosion for 3000 hrs. Rubber: High quality grip rubber is used for the handles. Bearings: Maintenance-free ball bearings. Scope of delivery: 1 completely pre-assembled equipment modules. Maintenance: Maintain according to EN 16630 and the maintenance guide. Safety: All products must be tested and certified to meet EN16630 safety standards with GS test mark. The EN 16630 certificates must be issued by a reputed notified international certifying agency such as IPEMA, TUV, CPSC, or SGS only. The GS Mark- EN16630 Certificates must be in the name of tendering party and not any 3rd party. The certificates must be attached with the tender document. All products must clearly display the GS mark as has been issued in the EN16630 safety certificates. Size_L x W x H): 1267 x 582 x 1764 mm. Weight: 43.5 Kg Safety Area: 4322 x 3632 mm Capacity_1 Person.								
						1.00	140000	each	140,000.00

Sl No	Description of work	No	Dimensions L	B	D	qty	Rate	Unit	Amount
15	Supply and Fixing of Tai Chi Spinners. Metal: All tubular steel of 2.5mm thickness are galvanized and zinc dipped. Joints are Robotic welded. All welded joints are scalloped as necessary and welded to an approved MIG process. All welds are dressed off removing all sharp edges and burrs. Zinc Primer Paint is applied at all the welding points prior to finishing. All metal parts are powder coated using AKZO Nobel-Great Wall powder to the thickness of 80-120 microns. All metal parts are tested in our salt spray machine that uses a 5% NaCl solution in accordance to ISO7227 to speed up corrosion for 3000 hrs. Colour RAL 5019 Blue and RAL 1014 Beige Rubber: High quality grip rubber is used for the handles. Bearings: Maintenance-free ball bearings. Scope of delivery: 1 completely pre-assembled equipment modules. Maintenance: Maintain according to EN 16630 and the maintenance guide. Safety: All products must be tested and certified to meet EN16630 safety standards with GS test mark. The EN 16630 certificates must be issued by a reputed notified international certifying agency such as IPEMA, TUV, CPSC, or SGS only. The GS Mark- EN16630 Certificates must be in the name of tendering party and not any 3rd party. The certificates must be attached with the tender document. All products must clearly display the GS mark as has been issued in the EN16630 safety certificates. Size_L x W x H): 1120 x 1150 x 1620 mm. Weight: 39 Kg Safety Area: 3520 x 3550 mm Capacity_3 Persons.								
						1.00	115000	each	115,000.00
16	Supply and fixing of HD Health Walker. Metal: All tubular steel of 2.5mm thickness are galvanized and zinc dipped. Joints are Robotic welded. All welded joints are scalloped as necessary and welded to an approved MIG process. All welds are dressed off removing all sharp edges and burrs. Zinc Primer Paint is applied at all the welding points prior to finishing. All metal parts are powder coated using AKZO Nobel-Great Wall powder to the thickness of 80-120 microns. All metal parts are tested in our salt spray machine that uses a 5% NaCl solution in accordance to ISO7227 to speed up corrosion for 3000 hrs. Colour RAL 5019 Blue and RAL 1014 Beige Rubber: High quality grip rubber is used for the handles. Bearings: Maintenance-free ball bearings. Scope of delivery: 1 completely pre-assembled equipment modules. Maintenance: Maintain according to EN 16630 and the maintenance guide. Safety: All products must be tested and certified to meet EN16630 safety standards with GS test mark. The EN 16630 certificates must be issued by a reputed notified international certifying agency such as IPEMA, TUV, CPSC, or SGS only. The GS Mark- EN16630 Certificates must be in the name of tendering party and not any 3rd party. The certificates must be attached with the tender document. All products must clearly display the GS mark as has been issued in the EN16630 safety certificates.SizeL x W x H): 1065 x 615 x 1364 mm. Weight: 51Kg. Safety Area: 4090 * 3555mm. Capacity 1 Person								
						1.00	140000	each	140,000.00

Sl. No	Description of work	No	Dimensions L	B	D	qty	Rate	Unit	Amount
17	Supply and Fixing of HD Sit Up Station. Metal: All tubular steel of 2.5mm thickness are galvanized and zinc dipped. Joints are Robotic welded. All welded joints are scalloped as necessary and welded to an approved MIG process. All welds are dressed off removing all sharp edges and burrs. Zinc Primer Paint is applied at all the welding points prior to finishing. All metal parts are powder coated using AKZO Nobel-Great Wall powder to the thickness of 80-120 microns. All metal parts are tested in our salt spray machine that uses a 5% NaCl solution in accordance to ISO7227 to speed up corrosion for 3000 hrs. Rubber: High quality grip rubber is used for the handles. Bearings: Maintenance-free ball bearings. Scope of delivery: 1 completely pre-assembled equipment modules. Maintenance: Maintain according to EN 16630 and the maintenance guide. Safety: All products must be tested and certified to meet EN16630 safety standards with GS test mark. The EN 16630 certificates must be issued by a reputed notified international certifying agency such as IPEMA, TUV, CPSC, or SGS only. The GS Mark- EN16630 Certificates must be in the name of tendering party and not any 3rd party. . All products must clearly display the GS mark as has been issued in the EN16630 safety certificates. Size_L x W x H): 1412 x 1366 x 650 mm. Weight: 42.6 Kg Safety Area: 4462 x 4078 mm Capacity_2 Persons.									-
						1.00	125000	each	125,000.00
18	Supply and Fixing of Rider. Metal: All tubular steel of 2.5mm thickness are galvanized and zinc dipped. Joints are Robotic welded. All welded joints are scalloped as necessary and welded to an approved MIG process. All welds are dressed off removing all sharp edges and burrs. Zinc Primer Paint is applied at all the welding points prior to finishing. All metal parts are powder coated using AKZO Nobel-Great Wall powder to the thickness of 80-120 microns. All metal parts are tested in our salt spray machine that uses a 5% NaCl solution in accordance to ISO7227 to speed up corrosion for 3000 hrs. Rubber: High quality grip rubber is used for the handles. Bearings: Maintenance-free ball bearings. Scope of delivery: 1 completely pre-assembled equipment modules. Maintenance: Maintain according to EN 16630 and the maintenance guide. Safety: All products must be tested and certified to meet EN16630 safety standards with GS test mark. The EN 16630 certificates must be issued by a reputed notified international certifying agency such as IPEMA, TUV, CPSC, or SGS only. The GS Mark- EN16630 Certificates must be in the name of tendering party and not any 3rd party. All products must clearly display the GS mark as has been issued in the EN16630 safety certificates.. Size_L x W x H): 910 x 655 x 1270 mm. Weight: 29.5 Kg Safety Area: 3310 x 3000 mm Capacity_1 Person.									-
						1.00	90000	each	90,000.00
19	Supply and fixing of Self Weighted Rower. Metal: All tubular steel of 2.5mm thickness are galvanized and zinc dipped. Joints are Robotic welded. All welded joints are scalloped as necessary and welded to an approved MIG process. All welds are dressed off removing all sharp edges and burrs. Zinc Primer Paint is applied at all the welding points prior to finishing. All metal parts are powder coated using AKZO Nobel-Great Wall powder to the thickness of 80-120 microns. All metal parts are tested in our salt spray machine that uses a 5% NaCl solution in accordance to ISO7227 to speed up corrosion for 3000 hrs. Colour RAL 5019 Blue and RAL 1014 Beige Rubber: High quality grip rubber is used for the handles. Bearings: Maintenance-free ball bearings. Scope of delivery: 1 completely pre-assembled equipment modules. Maintain according to EN 16630 and the maintenance guide. Safety: All products must be tested and certified to meet EN16630 safety standards only by a reputed notified international certifying agency such as IPEMA, TUV, CPSC, or SGS. The GS Mark- EN16630 Certificates must be in the name of tendering party and not any 3rd party. All products must carry a GS mark on it.. Size_L x W x H): 1390 x 805 x 1100 mm. Weight: 42.4 Kg Safety Area: 3790 x 3205 mm Capacity_1 Person.									-
						1.00	165000	each	165,000.00

Sl. No	Description of work	No	Dimensions L	B	D	qty	Rate	Unit	Amount
20	Supply and Fixing of HD Mini Ski. Metal: All tubular steel of 2.5mm thickness are galvanized and zinc dipped. Joints are Robotic welded. All welded joints are scalloped as necessary and welded to an approved MIG process. All welds are dressed off removing all sharp edges and burrs. Zinc Primer Paint is applied at all the welding points prior to finishing. All metal parts are powder coated using AKZO Nobel-Great Wall powder to the thickness of 80-120 microns. All metal parts are tested in our salt spray machine that uses a 5% NaCl solution in accordance to ISO7227 to speed up corrosion for 3000 hrs. Rubber: High quality grip rubber is used for the handles. Bearings: Maintenance-free ball bearings. Scope of delivery: 1 completely pre-assembled equipment modules. Maintenance :Maintain according to EN 16630 and the maintenance guide. Safety: All products must be tested and certified to meet EN16630 safety standards with GS test mark. The EN 16630 certificates must be issued by a reputed notified international certifying agency such as IPEMA, TUV, CPSC, or SGS only. The GS Mark- EN16630 Certificates must be in the name of tendering party and not any 3rd party. All products must clearly display the GS mark as has been issued in the EN16630 safety certificates. Size_L x W x H): 1214 x 900 x 1347 mm. Weight: 45 Kg Safety Area: 4214 x 3900 mm Capacity_2 Persons.								
						1.00	160000	each	160,000.00
21	Supply and Fixing of Bicycle. Metal: All tubular steel of 2.5mm thickness are galvanized and zinc dipped. Joints are Robotic welded. All welded joints are scalloped as necessary and welded to an approved MIG process. All welds are dressed off removing all sharp edges and burrs. Zinc Primer Paint is applied at all the welding points prior to finishing. All metal parts are powder coated using AKZO Nobel-Great Wall powder to the thickness of 80-120 microns. All metal parts are tested in our salt spray machine that uses a 5% NaCl solution in accordance to ISO7227 to speed up corrosion for 3000 hrs. Rubber: High quality grip rubber is used for the handles. Bearings: Maintenance-free ball bearings. Scope of delivery: 1 completely pre-assembled equipment modules. Maintenance: Maintain according to EN 16630 and the maintenance guide. Safety: All products must be tested and certified to meet EN16630 safety standards only by a reputed notified international certifying agency such as IPEMA, TUV, CPSC, or SGS. The GS Mark- EN16630 Certificates must be in the name of tendering party and not any 3rd party. Size_L x W x H): 1000 x 498 x 1290 mm. Weight: 51.5 Kg Safety Area: 3400 x 3498 mm Capacity_1 Persons.								
						1.00	125000	each	125,000.00
22	Supply and fixing of HD Waist Twister. Metal: All tubular steel of 2.5mm thickness are galvanized and zinc dipped. Joints are Robotic welded. All welded joints are scalloped as necessary and welded to an approved MIG process. All welds are dressed off removing all sharp edges and burrs. Zinc Primer Paint is applied at all the welding points prior to finishing. All metal parts are powder coated using AKZO Nobel-Great Wall powder to the thickness of 80-120 microns. All metal parts are tested in our salt spray machine that uses a 5% NaCl solution in accordance to ISO7227 to speed up corrosion for 3000 hrs. Rubber: High quality grip rubber is used for the handles. Bearings: Maintenance-free ball bearings. Scope of delivery: 1 completely pre-assembled equipment modules. Maintenance : Maintain according to EN 16630 and the maintenance guide. Safety: All products must be tested and certified to meet EN16630 safety standards with GS test mark. The EN 16630 certificates must be issued by a reputed notified international certifying agency such as IPEMA, TUV, CPSC, or SGS only. The GS Mark- EN16630 Certificates must be in the name of tendering party and not any 3rd party. All products must clearly display the GS mark as has been issued in the EN16630 safety certificates. Size_L x W x H): 1460 x 1310 x 1150 mm. Weight: 39.1 Kg Safety Area: 4360 x 4510 mm Capacity_3 Persons.								
						1.00	130000	each	130,000.00

Sl. No	Description of work	No	Dimensions L	B	D	qty	Rate	Unit	Amount
23	Supply and fixing of HD Squat Pushing. Metal: All tubular steel of 2.5mm thickness are galvanized and zinc dipped. Joints are Robotic welded. All welded joints are scalloped as necessary and welded to an approved MIG process. All welds are dressed off removing all sharp edges and burrs. Zinc Primer Paint is applied at all the welding points prior to finishing. All metal parts are powder coated using AKZO Nobel-Great Wall powder to the thickness of 80-120 microns. All metal parts are tested in our salt spray machine that uses a 5% NaCl solution in accordance to ISO7227 to speed up corrosion for 3000 hrs. Rubber: High quality grip rubber is used for the handles. Bearings: Maintenance-free ball bearings. Scope of delivery: 1 completely pre-assembled equipment modules.Maintenance: Maintain according to EN 16630 and the maintenance guide. Safety: All products must be tested and certified to meet EN16630 safety standards with GS test mark. The EN 16630 certificates must be issued by a reputed notified international certifying agency such as IPEMA, TUV, CPSC, or SGS only. The GS Mark- EN16630 Certificates must be in the name of tendering party and not any 3rd party. All products must clearly display the GS mark as has been issued in the EN16630 safety certificates.SizeL x W x H): 2270 x 635 x 1640 mm. Weight: 60.2Kg. Safety Area: 5300 * 3685mm. Capacity 2 Persons									
						1.00	215000	each	215,000.00
24	Supply and fixing of A Swing. This equipment comprises of 2 No. A shaped Frame and Toprail made of Dia. 76 mm galvanized steel tubes and wall thickness of 2 mm(The quality of steel meets with the requirement of GB / T 700-1988). The swing chains are made from galvanized steel which is rubberize coated of dia 6mm and length 1400mm. The swing chains are connected to the toprail using a specialized Clamp connector. #6201 bearing is used to connect the clamp & chain ,which is made as the standard GB/T276-2013. Installation: Refer Installation Manual for details. Size (L x W x H): 2585x 500 x 2000 mm. Safety Area: 4900 x 5400 mm. Weight: Approx 45Kg. Children capacity: 2. This equipment to comply with EN 1176 Safety certification standards.									
						1.00	66358.00	each	66,358.00
25	Supply and fixing of 4 Seater See Saw. The Frame and Support Post is made of Dia. 114 mm galvanized steel tubes and wall thickness of 2.5mm(The quality of steel meets with the requirement of GB / T 700-1988). The welding used is CO2 shielded arc welding (meets with the requirement of BS1387-1985, and the technology used meets the requirement of the BS1387-1985) and welding is done by robotic welding. The handrail and foot rest is made of Dia. 32 mm steel tubes and wall thickness of 2 mm(The quality of steel meets with the requirement of GB / T 700-1988). The welding used is CO2 shielded arc welding (meets with the requirement of BS1387-1985, and the technology used meets the requirement of the BS1387-1985) and welding is done by robotic welding. The seat is made from virgin Korean LLDPE, shaped by Rotational molding and strictly conforms to GB/T 4454-1996. The thickness of plastic is of 6 mm, colorful, UV resistant, anti-static and will not fade easily. Also it is safe and environmental friendly. All accessories such as Nuts and Bolts are made from stainless steel 304#. Installation: Refer Installation Manual for details. Size (L x W x H): 2600x 500 x 855 mm . Weight: Approx 45 Kg. Children capacity: 4. This equipment to comply with EN 1176 Safety certification standards.									
						1.00	90280.00	each	90,280.00
26	Providing and fixing granite benches as per design specification and fixing as per the direction of Engineer in charge of work								
						13.00	10550	Nos	137,150.00

Sl. No	Description of work	No	Dimensions L	B	D	qty	Rate	Unit	Amount
27	Lead for earthwork and disposal of debris shall be payable at carriage rates by mechanical means including loading and unloading for earthwork (upto 10 kms) complete with all lead & lift & as per the direction of the Engineer in charges. (S.R.of PW,P & IWTD, SR 2016-17								
	For 10k.m	10x1.3x2=		26.00					
	Loading & unloading			68.00					
				94.00					
	A.W 6% =			5.64					
	Total =			99.64					
	Qty item No.1 , 2					12.99			
					Total	12.99	99.64	cum	1,293.97
									2,281,141.10
KRIDL Charges 9%									205,302.70
Third Party Inspection									11,405.71
Miscellaneous									2,150.49
GRAND TOTAL Rs.									2,500,000.00

Certificate

1. The work spot has been inspected and the work is found necessary
2. This estimate is prepared as per C.S.R. of 2016-17 & approved data rate.
3. This provisions were made in this estimate are necessary and adequate
4. This work comes under B.B.M.P limits

Asst. Engineer
BBMP

Asst. Executive Engineer Project
Project Division, BBMP
Yelahanka Zone
Bangalore

Executive Engineer
Project Division
Yelahanka Zone
Bangalore

Executive Engineer project
Yelahanka Zone BBMP

Administrative Approval
Accorded For Rs.25.00lakhs
Head of A/C P-3181
CER NO :65/17-18 Dt.08/11/17

E.E. (Project)

Technical Sanction
Accorded For Rs.25.00lakhs
Head of A/C P-3181
CER NO :367/17-18 Dt.10/11/17

SE (YNK)